

- TOXIC ADEN PERPUSTAKAAN UNIVERSITAS AIRLANGGA
- TERATOGENS

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SKRIPSI

SUPRIATIN

**UJI TOKSISITAS AKUT DAN TERATOGENIK
FRAKSI ETANOL 60 % DAN FASA AIR
DAUN *Gendarussa vulgaris* NEES
PADA MENCIT**



MILIE
PERPUSTAKAAN
UNIVERSITAS AIRLANGGA
SURABAYA

**FAKULTAS FARMASI
UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
SURABAYA
2003**

Lembar Pengesahan

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FRAKSI ETANOL 60 % DAN FASA AIR
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**Skripsi ini telah disetujui
Surabaya, Oktober 2003 oleh :**

A handwritten signature in black ink, belonging to Dr. Bambang Prajogo. E. W, MS.

Dr. Bambang Prajogo. E. W, MS
(Pembimbing Utama)

A handwritten signature in black ink, belonging to Drh. Widjiati, MSi.

Drh. Widjiati, MSi
(Pembimbing Serta)

ABSTRACT

According to research on antifertility activity of *Gendarussa vulgaris* Nees, it's found to be developed as herbal medicine. Hence, it's must be followed by premedical research on animal then continued to clinical trials. One of the premedical research is toxicity test. It's needs to be done to know of the safety level usage. Acute toxicity and terratogenic test of ethanol 60% fraction and water phase of *Gendarussa vulgaris* Nees leaf had been done.

The acute toxicity test found that LD₅₀ value of the ethanol 60% fraction and water phase on mice were 17,82630 g/kg body weight and 15,63389 g/kg body weight respectively. Hence could be concluded that ethanol 60% fraction and water phase of *Gendarussa vulgaris* Nees leaf was classified at practically non-toxic substance.

The terratogenic test showed no bones malformation on offspring. The data analyzed with ANOVA ($\alpha = 0,05$) showed that there is no significant difference on total amount, average weight, average length offspring of all groups. Hence could be concluded that ethanol 60% fraction and water phase of *Gendarussa vulgaris* Nees leaf did not show terratogenic effect.

Keyword: *Gendarussa vulgaris* Nees, acute toxicity test, terratogenic test.